

Notice of Allowability

Application No.

10/676,543

Examiner

Tod T. Van Roy

Applicant(s)

PARK ET AL.

Art Unit

2828

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to an amendment filed 02/12/2007.
2. ☒ The allowed claim(s) is/are 1-3,5-16 and 34-40.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

DETAILED ACTION

Response to Amendment

The examiner acknowledges the cancellation of claims 17-18 and 21-27, as well as the amending of claims 6 and 39.

Response to Arguments

Applicant's arguments, see Remarks, filed 02/12/2007, with respect to the independent claims have been fully considered and are persuasive. The rejection of the claims has been withdrawn.

Allowable Subject Matter

Claims 1-3, 5-16, and 34-40 are allowed.

The following is an examiner's statement of reasons for allowance:

On page 12 of the applicant's remarks (02/12/2007), the applicant has pointed out a section of Wagener which teaches the length of the fiber may be chosen to move the stable operating point, but does not teach the reduction of dependence of the mean wavelength on the pump light power. The examiner agrees with the applicant's assessment of Wagener. As can be seen at col.8 lines 7-22, Wagener teaches the reduction of dependence of the mean wavelength on pump power by the insertion of a spectral filter. This filter causes a stable operating point to be established in the system. Wagener further teaches that adjusting the fiber length can move the stable operating point to account for various pumping powers. In the end, Wagener has taught the reduction of mean wavelength dependence on pump power is due to the presence of the spectral filter, and not to the fiber length.

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Claims 1, 6, 7, 13, 34, 39, and 40, all detail superfluorescent fiber sources including a multitude of limitations on the device structure. In addition, the claims detail that the actual length of the fiber is chosen as a compromise between reduction of the mean wavelength dependence on pump power, and reduction of the forward amplified spontaneous emission (ASE) to the output light. The prior art was not found to teach a similar system wherein this compromise is established. Therefore, the pending claims are believed to be in condition for allowance.

Claims 2, 3, 5, 8-12, 14-16, and 35-38 are allowable as they depend from allowable claims 1, 7, and 34.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

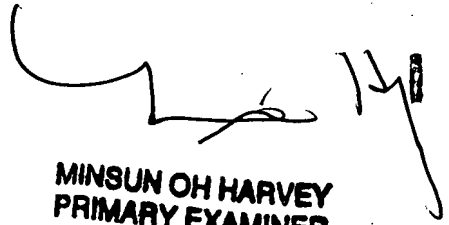
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tod T. Van Roy whose telephone number is (571)272-8447. The examiner can normally be reached on M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Minsun Harvey can be reached on (571)272-1835. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

TVR



**MINSUN OH HARVEY
PRIMARY EXAMINER**